



How to change front  
lower arm on  
**MERCEDES-BENZ CLS**  
**Coupe (C219)** –  
replacement guide

### SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

### **Important!**

This replacement procedure can be used for:

MERCEDES-BENZ CLS (C219) CLS 350 (219.356), MERCEDES-BENZ CLS (C219) CLS 500 (219.375), MERCEDES-BENZ CLS (C219) CLS 55 AMG (219.376), MERCEDES-BENZ CLS (C219) CLS 320 CDI (219.322), MERCEDES-BENZ CLS (C219) CLS 350 (219.357), MERCEDES-BENZ CLS (C219) CLS 500 (219.372), MERCEDES-BENZ CLS (C219) CLS 63 AMG (219.377), MERCEDES-BENZ CLS (C219) CLS 280 (219.354), MERCEDES-BENZ CLS (C219) CLS 300 (219.354), MERCEDES-BENZ CLS (C219) CLS 350 CDI (219.322), MERCEDES-BENZ CLS (C219) CLS 320 CDI, MERCEDES-BENZ CLS (C219) CLS 350 CDI

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: MERCEDES-BENZ E-Class Saloon (W211) E 220 CDI (211.006)

**REPLACEMENT: FRONT LOWER ARM – MERCEDES-BENZ CLS COUPE (C219). TOOLS YOU NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #21
- Drive socket # E18
- Drive socket # 21
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Ball joint puller
- Crow bar
- Hydraulic transmission jack
- Wheel chock

**Buy tools**

Replacement: front lower arm – MERCEDES-BENZ CLS Coupe (C219).  
AUTODOC experts recommend:

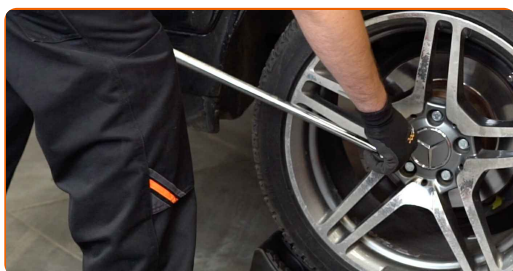
- The replacement procedure is identical for the left and right lower control arms.
- All work should be done with the engine stopped.

## REPLACEMENT: FRONT LOWER ARM – MERCEDES-BENZ CLS COUPE (C219). TAKE THE FOLLOWING STEPS:

**1** Secure the wheels with chocks.



**2** Loosen the wheel mounting bolts. Use wheel impact socket #17.



**3** Raise the front of the car and secure on supports.

4

Unscrew the wheel bolts.



Replacement: front lower arm – MERCEDES-BENZ CLS Coupe (C219). Tip from AUTODOC:

- To avoid injury, hold up the wheel when unscrewing the bolts.

5

Remove the wheel.

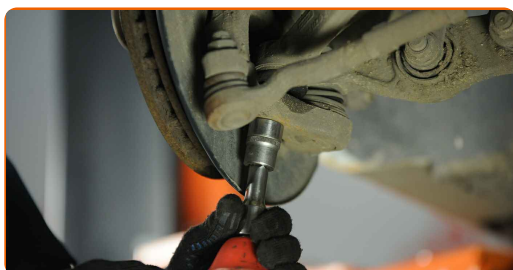


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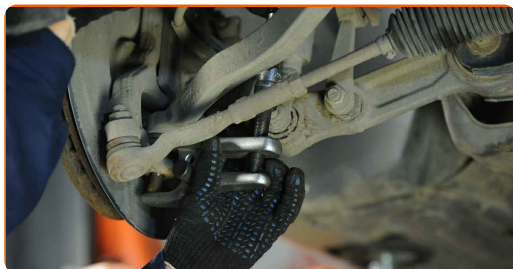
Clean the fastener connecting the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.

7

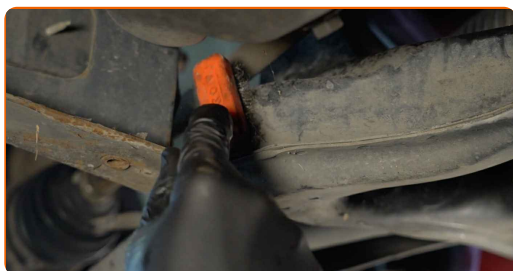
Unscrew the ball joint fastening to the steering knuckle. Use a drive socket #21. Use a ratchet wrench.



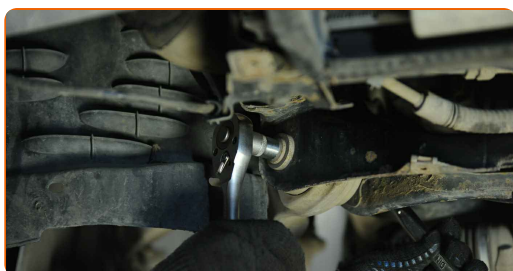
**8** Disconnect the ball joint from the steering knuckle. Use a ball joint puller.



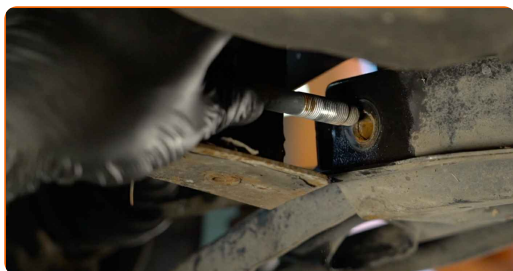
**9** Clean the fasteners connecting the control arm to the subframe. Use a wire brush. Use WD-40 spray.



**10** Unscrew the arm fastening from the subframe. Use a combination spanner #21. Use a drive socket #E18. Use a ratchet wrench.

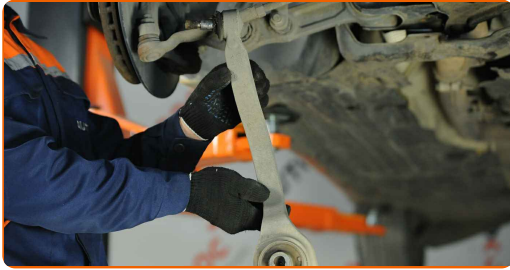


**11** Remove the fastening bolt.



**12**

Remove the arm. Use a crowbar.



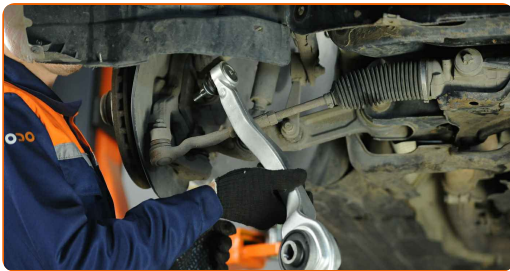
**13**

Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.



**14**

Install a new arm.

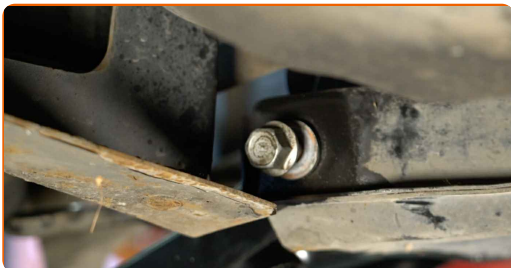


Replacement: front lower arm – MERCEDES-BENZ CLS Coupe (C219).  
Professionals recommend:

- During the installation process, use only new bolts and nuts.
- Do not damage the ball joint cover.

**15** Connect the ball joint to the steering knuckle.

**16** Install the fastening bolt.



**17** Screw the fastener connecting the control arm to the subframe.

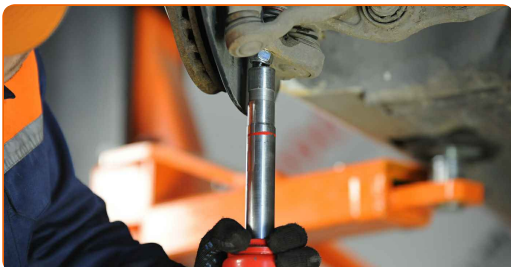
**18** Tighten the ball joint fastener. Use a drive socket #21. Use a torque wrench. Tighten it to 50 Nm torque.+60°



**AUTODOC recommends:**

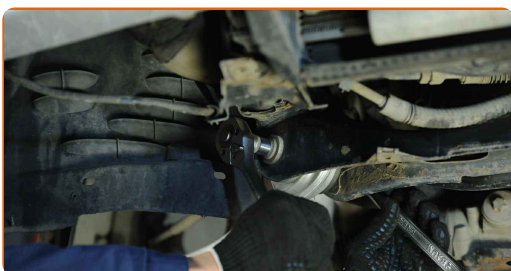
- Important! Be sure to use new fasteners.

**19** Prop up the steering knuckle. Use a hydraulic transmission jack.





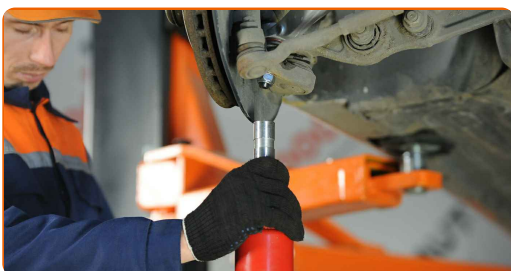
- 20** Tighten the arm fastening to the subframe. Use a combination spanner #21. Use a drive socket #E18. Use a torque wrench. Tighten it to 80 Nm torque.+120°



**AUTODOC recommends:**

- Important! Be sure to use new fasteners.

- 21** Remove the support from under the steering knuckle.



**AUTODOC recommends:**

- MERCEDES-BENZ CLS Coupe (C219) – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

22

Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



23

Clean the brake disk surface. Use a brake cleaner.

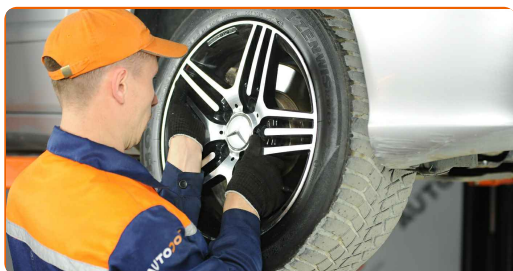


Replacement: front lower arm – MERCEDES-BENZ CLS Coupe (C219). Tip:

- After applying the spray, wait a few minutes.

24

Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. MERCEDES-BENZ CLS Coupe (C219)

**25** Screw in the wheel bolts. Use wheel impact socket #17.



**26** Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 nm torque.



**27** Remove the jacks and chocks.



**WELL DONE!** 

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